

Fig. 1

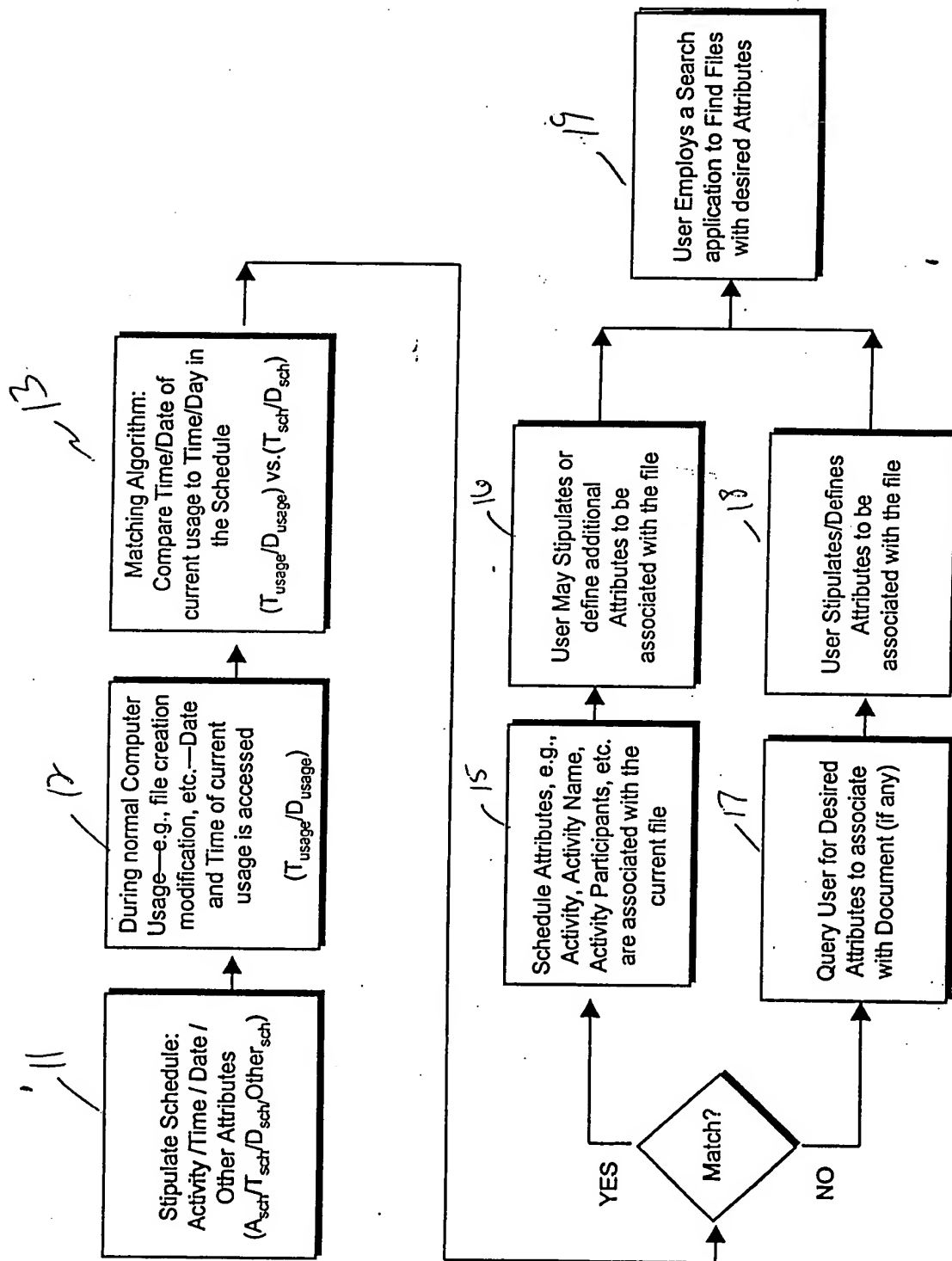


Fig. 2

TOOET" 4852200F

SCHEDULE BUILDER				X
COURSE NUMBER				
CLASS NAME				
PROFESSOR				
LECTURE				
Lecture				
DAY	TIME	BUILDING	ROOM	
Recitation				
DAY	TIME	BUILDING	ROOM	
Lab				
DAY	TIME	BUILDING	ROOM	
SET AND ENTER NEXT CLASS				
FINISH				
CANCEL				

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Fig. 3

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ACTIVITY A _{sch}	DAY(S) D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES				
		Start-Time: T _{sch1}	End-Time: T _{sch2}	PROFESSOR NAME	COURSE NUMBER	BUILDING NAME	ROOM NUMBER	ETC.
Physics	Monday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Wednesday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Friday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
Spanish	Tuesday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
	Thursday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
Etc.								

Fig. 4

Schedule for Steven Rogers:

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	MEETING CITY	MEETING BUILDING	PARTICIPANTS
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Westin Hotel	Steven Rogers, Jack Welsh
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	GE Building	Steven Rogers, John Devers, Diane Chang
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Royalton Hotel	Steven Rogers, Anne Miller

TODOT"4852200T

Fig. 5

During normal computer use, as documents are created/transferred/accessed/modified, etc., the time and date of usage is referenced.

E.g., A new document is being saved:

Acquisition Meeting Notes

- Target Acquisition Price: \$15.4 Billion
- Terms: Full Stock transaction
- Penalty: \$100 Million payment for failure to consummate deal
- Etc.

Relevant information about the current usage is accessed from the operating system / internal clock. This data retrieval could be triggered by opening a file, closing a file, saving a file, etc.



"File_Name.doc"

Date: Sept 11, 2000

Day: Monday

Time: 9:30

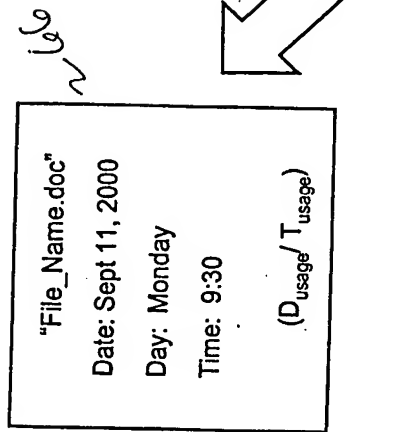
(D_{usage} / T_{usage})

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T00E0T"4B52200T

Fig. 6

The time/date information of the new document is then queried against the time/date data stipulated in the schedule with a matching algorithm:



Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	

Fig. 7

If the query returns a positive match, attributes from the schedule will be automatically associated to the file and stored in a searchable database:

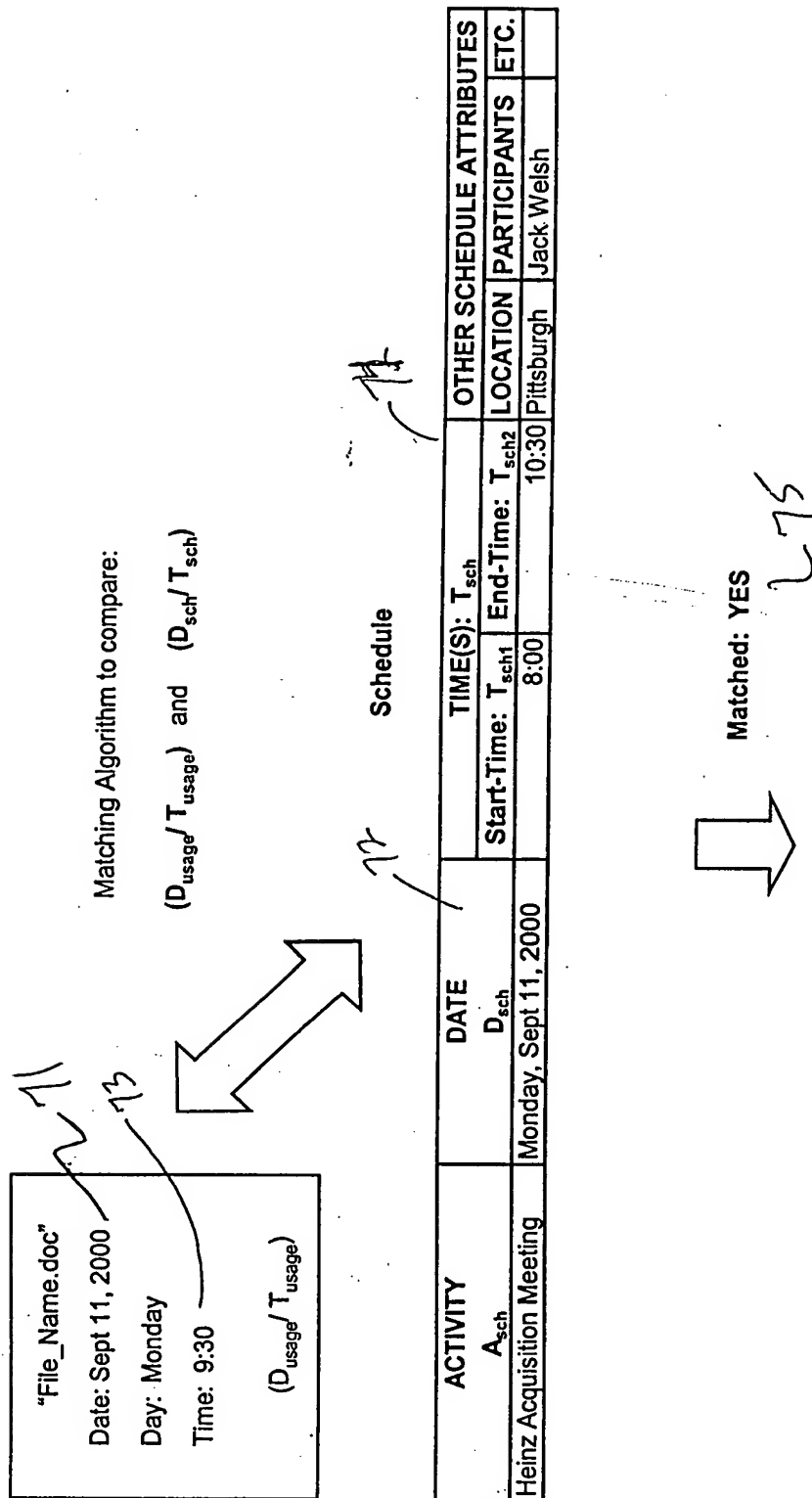


Fig. 8

Attribute are associated with files, for example in an "Attribute Database"

Attribute Database

New attributes associated with the file:

FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition M	Pittsburgh	Jack Welsh	

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Fig. 9

If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

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"File_Name.doc"

Date: Sept 11, 2000

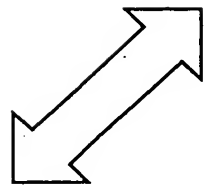
Day: Monday

Time: 11:30

(D_{usage}/T_{usage})

Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

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ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}			OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T _{sch1}	End-Time: T _{sch2}		LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30		Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30		New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00		New York	Anne Miller	



Matched: NO

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"Would you like to associate any attributes to "File_Name.doc?"



NO: [no action]

Yes: "Please define attribute field and name", e.g.

Field: "Subject" Name: "Discussion Follow-up"

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Fig. 10

Files are then searchable by attributes, as well as time/date information:

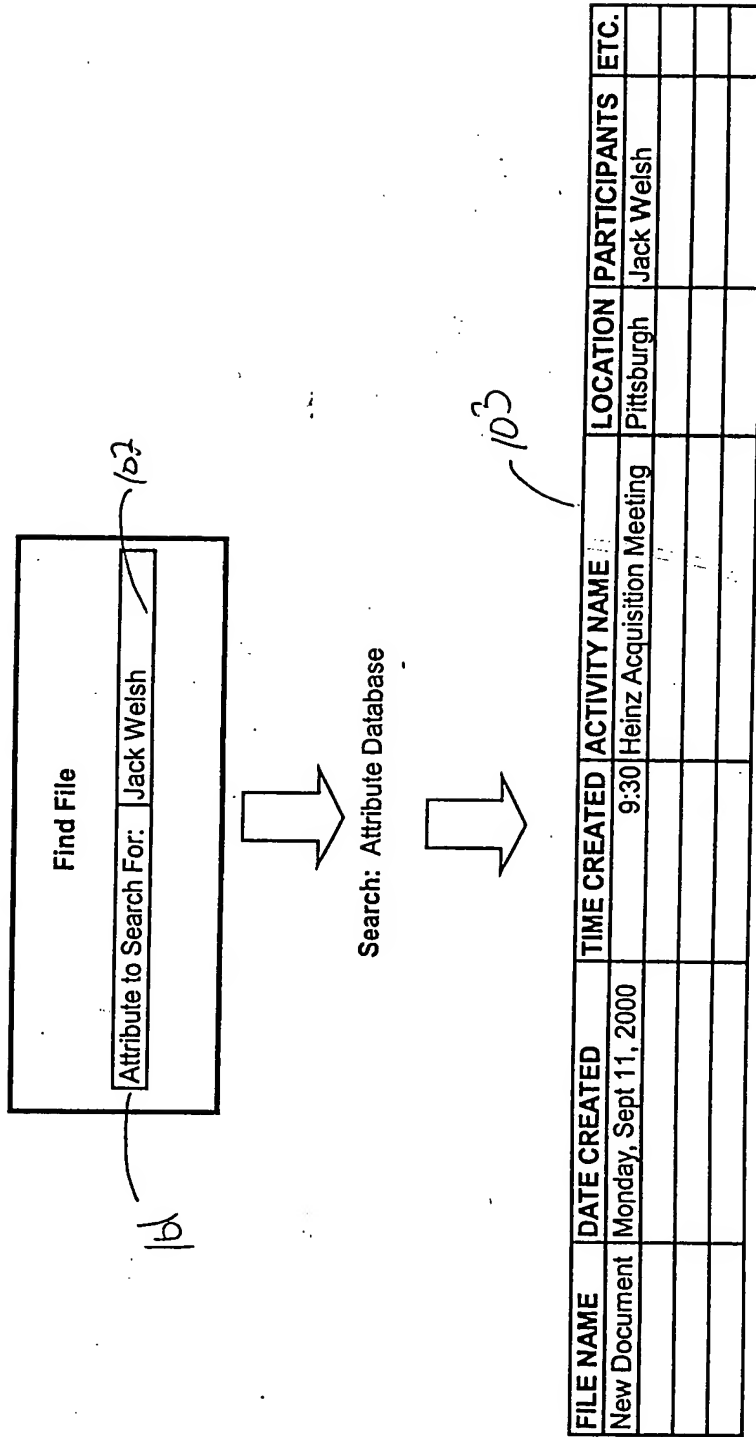


Fig. 11

FIG. 11

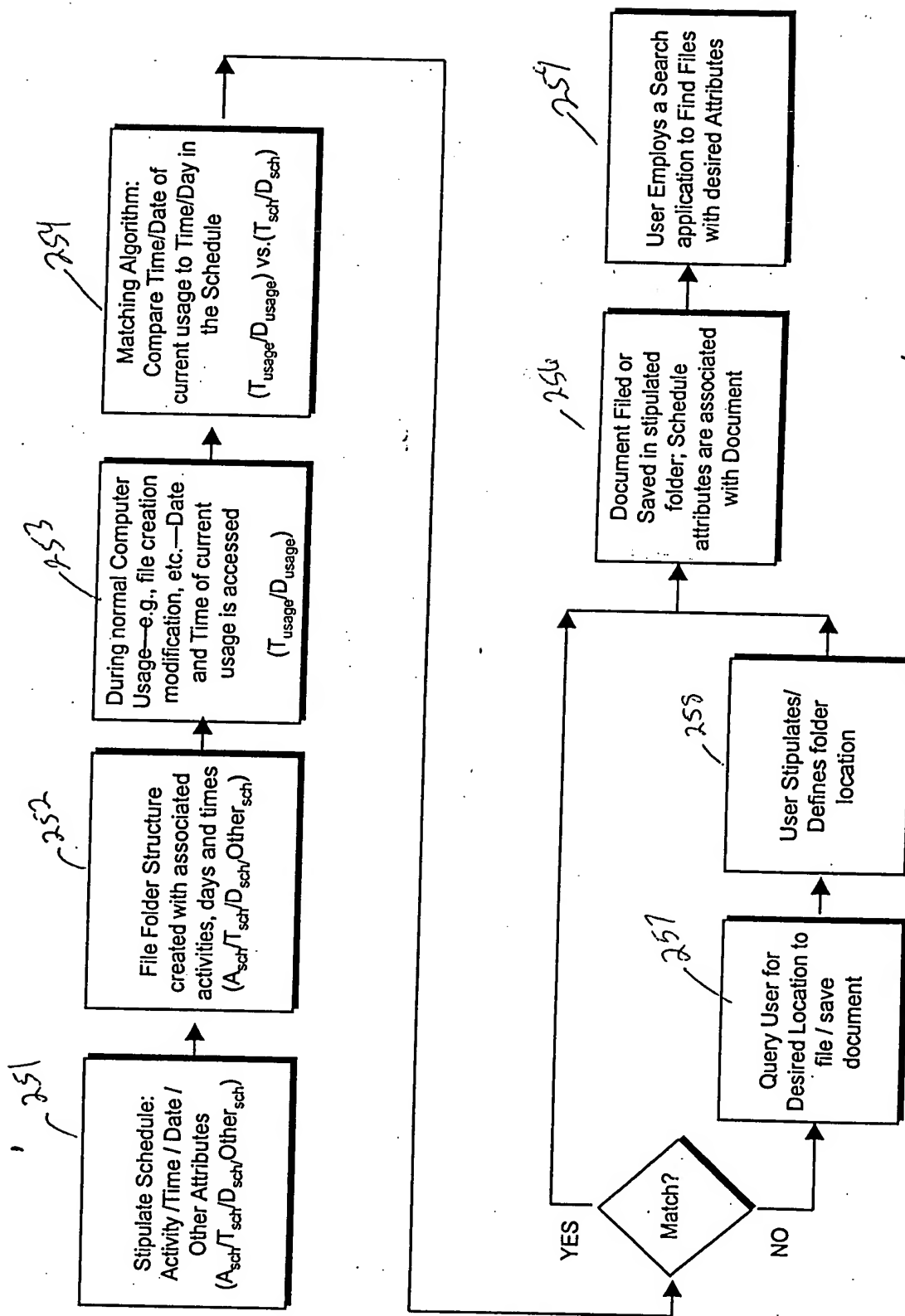


Fig. 12

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Generated Folder Structure

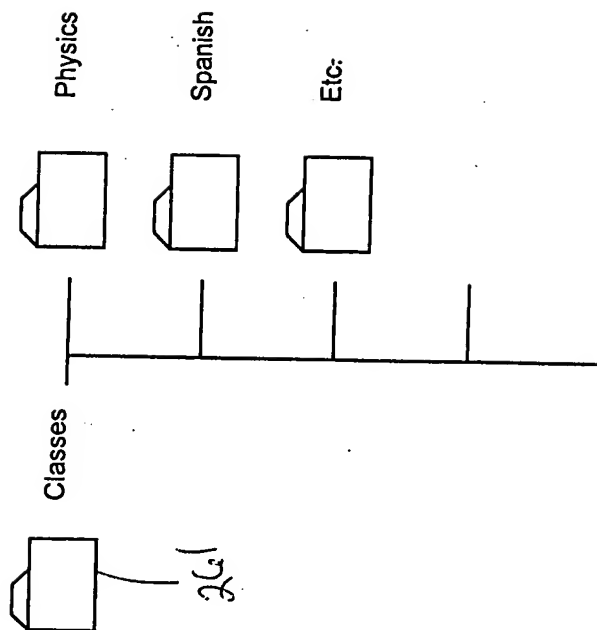
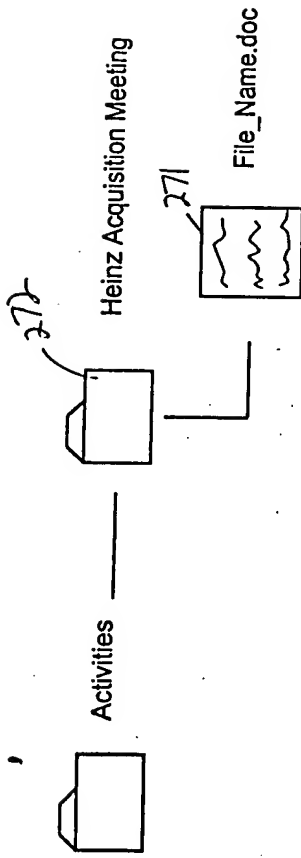


FIG- 13



New attributes associated with the file:

FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition M	Pittsburgh	Jack Welsh	

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Fig. 14

If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

"File_Name.doc"

Date: Sept 11, 2000

Day: Monday

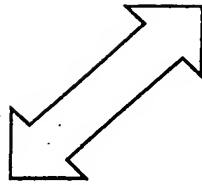
Time: 11:30

(D_{usage}/T_{usage})

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Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

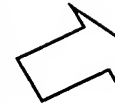
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ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T _{sch1}	End-Time: T _{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	



Matched: NO

"Where would you like to file/save 'File_Name.doc?'"



Cancel: [no action]

<User>: Save "File_Name.doc" in the "Miscellaneous Notes" folder,
under the "Activities folder"

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Fig. 15

Save As

Save in:

- rls
- intellectual property
- Patent Appl v2.doc

File Name: / user interface protection—Meeting Notes

Save as Type: Text Document

Show Attribute Data ☒ 154

Meeting Name: rls Patent Review 155

Meeting Location: Boston, MA 156

Meeting Participants: Richard Gregory 157

Participant Contact: Melissa Beads 158

Custom Field: Wolf Greenfield & S... 159

Key Word1: Wolf Greenfield & S... 160

Key Word2: Patent Application

Clear All

Provisional

Fig. 16

Save As

Save in:

rls

intellectual property

Patent Appl v2.doc

Favorites

My Documents

History

☐ Show Attribute Data

File Name:

user interface protection—Meeting Notes

Save as Type:

Text Document